

Title (en)  
DIGITAL CELL

Title (de)  
DIGITALE ZELLE

Title (fr)  
CELLULE NUMERIQUE

Publication  
**EP 1640453 A4 20090902 (EN)**

Application  
**EP 04746873 A 20040625**

Priority  
• JP 2004009404 W 20040625  
• JP 2003181915 A 20030625  
• JP 2003289469 A 20030807

Abstract (en)  
[origin: EP1640453A1] It is intended to provide a method and system for carrying out data production with respect to the actual status of cells as a profile. It is also intended to provide a system and method for presenting time-lapse and/or real-time information of cell interior directly, or as it is, from the viewpoint of a complex system. It is further intended to provide a method of presenting a digital cell. Thus, there is provided a method of producing profile data relating to cell information, comprising the step (a) of arranging cells in an immobilized form on a support and the step (b) of monitoring over time biological factors on or inside the cells or an aggregate thereof, thereby producing profile data for the cells. Furthermore, there is provided a method of producing a digital cell, comprising procuring experimental data by the use of the above method.

IPC 8 full level  
**C12N 15/00** (2006.01); **C12M 1/00** (2006.01); **C12N 15/09** (2006.01); **C12N 15/113** (2010.01); **C12Q 1/68** (2006.01); **G01N 33/15** (2006.01); **G01N 33/50** (2006.01); **G06F 17/00** (2006.01); **G06F 19/00** (2018.01); **G06F 19/12** (2011.01); **G06F 19/28** (2011.01); **G06T 17/00** (2006.01)

CPC (source: EP US)  
**G01N 33/5005** (2013.01 - EP US); **C12M 41/48** (2013.01 - EP US)

Citation (search report)  
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• [XYI] US 5777888 A 19980707 - RINE JASPER [US], et al  
• [Y] US 2002197718 A1 20021226 - MYLES ARTHUR [US], et al  
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• See references of WO 2005021744A1

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CN113759196A

Designated contracting state (EPC)  
CH DE FR GB LI

DOCDB simple family (publication)  
**EP 1640453 A1 20060329**; **EP 1640453 A4 20090902**; CA 2530350 A1 20050310; JP 2010207222 A 20100924;  
JP WO2005021744 A1 20061026; US 2006253258 A1 20061109; US 2011004415 A1 20110106; US 7747390 B2 20100629;  
WO 2005021744 A1 20050310

DOCDB simple family (application)  
**EP 04746873 A 20040625**; CA 2530350 A 20040625; JP 2004009404 W 20040625; JP 2005513404 A 20040625; JP 2010065276 A 20100319;  
US 56246904 A 20040625; US 82362010 A 20100625